

PUSHING THE ENVELOPE SCENARIOS

QUESTIONS

1. HOW DOES THE CONSUMER INFLUENCE THE MARKETPLACE AROUND THE WORLD? WHAT IS THE IMPACT OF LIFESTYLE AND CULTURAL DIFFERENCES? ARE THERE REGIONAL OR NATIONAL CONSTRAINTS OR FACTORS THAT INFLUENCE CONSUMER BEHAVIOR? WITHIN THESE CONSIDERATIONS, HOW DO CONSUMERS UTILIZE GLOBAL TRANSPORTATION? WHAT DOES THE AVIATION COMPONENT LOOK LIKE? WHAT DOES ACCESS TO SPACE LOOK LIKE?

STRONG, GLOBAL CONSUMER MARKET, (I.E. CONSUMER IS KING)
STRONG DEMAND FOR COMMUTER AND AIR CARGO SERVICE
HIGH TURNOVER IN CONSUMER PRODUCTS
SPEED AND CONVENIENCE WILL BE VERY IMPORTANT
STRONG DEMAND FOR LOW COST WORLDWIDE AIR SERVICE
NEED FOR QUIET, LOW POLLUTING AIRCRAFT
LOWER BARRIERS TO ENTRY, LESS GOVERNMENT SUPPORT
DEMISE OF CONSUMER NATIONALISM
LOW COST ACCESS TO SPACE
INCREASED DEMAND FOR SAFETY, DECREASE IN ACCIDENT RATE

2. DISCUSS THE NATURE OF GENERAL BUSINESS ACTIVITIES AROUND THE WORLD. HOW ARE THEY SERVICING THEIR CUSTOMERS? WHAT ARE THE CONSTRAINTS ON THEIR BEHAVIOR? HOW DO BUSINESSES UTILIZE GLOBAL TRANSPORTATION? WHAT DOES THE AVIATION COMPONENT LOOK LIKE? WHAT DOES THE ACCESS TO SPACE COMPONENT LOOK LIKE?

MORE EFFICIENT CAPITAL MARKETS
DEVELOPMENT OF MORE ALLIANCES OF CONVENIENCE
MORE SHARING OF BUSINESS RESOURCES
MORE DEMAND FOR LOW COST BUSINESS TRAVEL
NEED FOR FASTER MOVEMENT OF GOODS TO MARKET
REDUCTION OF MIDDLEMAN, JUST IN TIME SERVICE
BUSINESS WILL DEMAND LOW COST ACCESS TO SPACE
HIGH DEMAND FOR LOW COST AIR CARGO SERVICE
TIME, CONVENIENCE, AND RELIABILITY ARE IMPORTANT
MORE DEMAND FOR DEPENDABLE TAKEOFF/LANDING TIMES
HIGH DEMAND FOR LOW COST WORLDWIDE AIR SERVICE
EFFICIENT AIR TRAFFIC CONTROL SERVICE

3. DISCUSS THE ROLE OF LOCAL, NATIONAL, REGIONAL, AND/OR GLOBAL GOVERNMENT AND REGULATORY AUTHORITIES TOWARD THE TRANSPORTATION SECTOR AND THE GLOBAL AERONAUTICS PRODUCTS AND SERVICES INDUSTRY.

SAFETY/SECURITY WILL BE A NATIONAL RESPONSIBILITY
AIR TRAFFIC CONTROL MOVING TOWARDS PRIVATIZATION
DEVELOPMENT OF MORE AIRPORT INFRASTRUCTURE
AIR REGULATIONS, AIR TREATIES, CUSTOMS, LANDING TAXES
ASSURANCE OF LOCAL AIR TRAFFIC SERVICE
CONTROL OF OVER FLIGHT
NOISE AND POLLUTION REGULATION
LESS WORLDWIDE ECONOMIC REGULATION, POCKETS OF LOCAL
CONTROL PROTECTION
NATIONAL CERTIFICATION AUTHORITY.

4. SUMMARIZE HOW THE GLOBAL CIVILIAN AERONAUTICS PRODUCTS AND SERVICE INDUSTRY OPERATES

CONSUMER FRIENDLY AIR TRAFFIC EXPLOSION
MARKET FORCES WILL DICTATE DESIGN/PRODUCT DEVELOPMENT
SHORTER PRODUCT DEVELOPMENT CYCLE
TOTAL OPERATING COSTS WILL BE DECREASED
ALL WEATHER CAPABILITIES
QUIETER, LESS FUEL EFFICIENT, LESS POLLUTING
LOW COST MAINTAINABILITY, REPAIRABILITY AND OVERHAUL
SAFETY/SECURITY
AIR TRAFFIC EFFICIENCY
INCREASED CUSTOMER SERVICES AND OPTIONS
LOW COST INCREASED CARGO TRANSPORTATION
GROWTH IN ROTORCRAFT/TILTROTOR TRAVEL

5. WHAT IS THE MILITARY SECURITY ENVIRONMENT LIKE? WHAT IS THE IMPACT OF INTERNATIONAL OR DOMESTIC TERRORISM? WHAT IS THE ROLE OF THE U.S. IN DEALING WITH INTERNATIONAL SECURITY? WHAT IS THE ROLE OF THE U.S. MILITARY? DESCRIBE THE AERONAUTICS COMPONENT OF THAT ROLE. DESCRIBE THE IMPORTANCE OF ACCESS TO SPACE IN THAT ROLE.

MILITARY WILL BE USED FOR POLICING DUTIES
INCREASED PROTECTION FOR TERRORISM
LIMITED ROLE OF MILITARY AGAINST TERRORISM
NEED FOR RAPID MILITARY DEPLOYMENT CAPABILITY

INCREASED ROLE FOR CRAF
GREATER SECURITY RESPONSIBILITY FOR MANUFACTURERS
AND OPERATORS
NEED FOR MORE UNMANNED VEHICLE AND SMART WEAPONS
HEIGHTENED INTELLIGENCE AND DATA MANAGEMENT
INCREASED ACCESS TO SPACE REQUIRED FOR MILITARY